

20010311.ba v03_n122.bam.20010311

>From ???@??? Sun Mar 11 09:59:27 2001 -0600
Date: Sun, 11 Mar 2001 09:57:13 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3122
Message-Id: <20010311165752.528494B73@devel43.theporch.com>

BOATANCHORS Digest 3122

Topics covered in this issue include:

- 1) Saving WW-II Data Plates
by Lenox Carruth <carruth@geo-thermal.com>
- 2) ART-13 Trouble
by Mike Sullivan <michaels@kc2kj.k2nesoft.com>
- 3) BB-55 getting on the air
by "Nick England" <nick@3rdtech.com>
- 4) RE: Saving WW-II Data Plates
by "Ed Sieb" <sieb@sympatico.ca>
- 5) Re: Saving WW-II Data Plates
by Arden Allen <gumbear@pacbell.net>
- 6) DX-40 neutralizing question
by James Hanlon <knjhanlon@qwest.net>
- 7) WTB: Heathkit T3 Signal Tracer and HP 410B VTVM
by "Donald Gieselmann" <w0dg@email.msn.com>
- 8) Re: DX-40 neutralizing question
by Mike Sewell <k0crx@earthlink.net>
- 9) Birdies dead
by "A.B. Bonds" <ab@vuse.vanderbilt.edu>
- 10) Re: Saving WW-II Data Plates
by William Donzelli <aw288@osfn.org>
- 11) TM reprints for odd sets
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 12) ART-13 Trouble
by Mike Sullivan <michaels@kc2kj.k2nesoft.com>
- 13) Lafayette HE-10 saga post script
by Arden Allen <gumbear@pacbell.net>
- 14) Re: Lafayette HE-10 saga post script
by "Hue Miller" <kargokult@proaxis.com>
- 15) Re: solildstating VTVM
by "Hue Miller" <kargokult@proaxis.com>
- 16) Re: HRO-60 headsup
by Mike Steussy - AE4R <hikrbikr@erols.com>
- 17) Re: Lafayette HE-10 saga post script
by Arden Allen <gumbear@pacbell.net>
- 18) Re: solildstating VTVM

by Arden Allen <gumbear@pacbell.net>
19) Re: solildstating VTVM
by Avery Comarow <acomarow@usnews.com>
20) Classic BA Paint
by "Ed Sieb" <sieb@sympatico.ca>
21) Collins 30K-3
by "Dick Dillman" <ddillman@igc.org>

Message-ID: <3AA9602F.9ADFC213@geo-thermal.com>
Date: Fri, 09 Mar 2001 16:58:55 -0600
From: Lenox Carruth <carruth@geo-thermal.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Saving WW-II Data Plates
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have several pieces of World War II era military radio equipment that have some type of synthetic plastic or fiber data plates. These plates have faded to a pale yellow color with the part that was originally black a sort of yellow/gray color. If I rub them with something wet, they return to their original appearance but the fade again when dry.

Now the test: Has anyone found a way to permanently rejuvenate these data plates? If so, how?

--

Lenox

Lenox Carruth Dallas, TX carruth@geo-thermal.com
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TBX-8 Antenna, Key, Canvas Case, Accessory Box

Message-ID: <3AA97B91.8A1F8060@kc2kj.k2nesoft.com>
Date: Fri, 09 Mar 2001 19:55:44 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: ART-13 Trouble
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-

creator="4D4F5353"

Content-Transfer-Encoding: 7bit

I finally have the ART-13 filaments work. Turns out the 28 vdc supply would not make 10 amps at 28 volts. It was a surplus electronically regulated supply that works at 8 amps, but if I put a 10 amp load it would cut out. I searched around the shack and found the remains of an old 14 volt supply that has two 15 volt transformers rated at a considerably high current. Patched it together with a 20amp 400 volt bridge, an electrolytic, and a 200 watt load resistor and sure enough, it worked the autotune and the filaments of the 813 together will all the other filaments. The ART-13 voltmeter shows a light high of normal, but it the white region. Now for some B+.....

Mike
kc2kj

Message-ID: <002301c0a905\$62ecf180\$57810298@cs.unc.edu>

From: "Nick England" <nick@3rdtech.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: BB-55 getting on the air

Date: Fri, 9 Mar 2001 20:56:51 -0500

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

The latest newsletter from the USS North Carolina BB-55 (moored in Wilmington. NC) says that the Azalea Coast Amateur Radio Club is helping get the battleship's radio equipment operational. The article mentions getting a TBM-4 on the air. Former Radioman Carl J. Filipiak and staff member Terry Kuhn were mentioned in the article. Links to the club and battleship can be found at <http://www.ac4rc.org/battleship.html>.

When several of us visited a year or so ago we were surprised to find one of the radio rooms had been re-opened with 7-8 receivers of the correct vintage on display. I understand that the transmitters and more radio gear are still in the compartments left as they were when the ship was decommissioned in 1947.

73 & Have Fun,
Nick KD4CPL

From: "Ed Sieb" <sieb@sympatico.ca>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: RE: Saving WW-II Data Plates
Date: Sat, 10 Mar 2001 02:57:55 -0500
Message-ID: <LOBBJH0L00HLIPLONIAFGGECHDNAA.sieb@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a thought -- try rubbing WD-40 on a small corner, or unobtrusive area.
Sounds like some oil has evaporated from the material.

Ed VA3ES

> -----Original Message-----
> From: owner-boatanchors@theporch.com
> [mailto:owner-boatanchors@theporch.com]On Behalf Of Lenox Carruth
> Sent: Friday, March 09, 2001 5:59 PM
> To: Old Tube Radios
> Subject: Saving WW-II Data Plates
>
>
>
> If I rub them with something wet,
> they return to their original appearance but the fade again when dry.
> --
> Lenox
>

Date: Sat, 10 Mar 2001 01:12:59 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Saving WW-II Data Plates
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G9Z00ACJ5IWXZ@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Lenox;

> Now the test: Has anyone found a way to permanently rejuvenate these
> data plates? If so, how?

I've run across plates that look like that too. The comment about ribbing the plate with WD-40 suggests the appropriate solution. When you add a liquid to the surface you are replacing the flaked off surface with a new optical "lens" that does not diffuse the light and wash out the plate's appearance. I suggest coating the plate with a gloss varnish. Avoid using

a lacquer that may contain a strong solvent. I used water based Varathane polyurethane spray to treat the front panel of a Johnson 250 watt matchbox that suffered from the same problem. The clear coating restored the front panel to nearly new appearance.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <3AAA61E2.FB562876@qwest.net>
Date: Sat, 10 Mar 2001 10:18:26 -0700
From: James Hanlon <knjhanlon@qwest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: DX-40 neutralizing question
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My DX-40 has a rather skittish final amplifier. I would like to neutralize the final to get rid of its tendency to oscillate on its own. Does anyone on the list have any info that would help?

Thanks,

Jim, W8KGI

From: "Donald Gieszelmann" <w0dg@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: Heathkit T3 Signal Tracer and HP 410B VTVM
Date: Sat, 10 Mar 2001 12:45:55 -0600
Message-ID: <MABBIBDHGKG00BDDJJLJKELCCJAA.w0dg@email.msn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Anyone out there have either of these manuals they would like to part with, HP 410B is SN 024-47185.

Thanks

Don w0dg

Message-ID: <3AAA8CCF.B41D94AE@earthlink.net>

Date: Sat, 10 Mar 2001 14:21:35 -0600
From: Mike Sewell <k0crx@earthlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: DX-40 neutralizing question
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Jim,

You might consider using the DX-60 neutralization scheme. That is running a lead from the bottom of the driver output coil through the chassis and up near the PA tube. Neutralization is accomplished by adjusting the position of this 'stub' lead relative to the PA tube.

73, Mike
K ÿ Collects Radios eXclusively

James Hanlon wrote:

> My DX-40 has a rather skittish final amplifier. I would
> like to neutralize the final to get rid of its tendency to
> oscillate on its own. Does anyone on the list have any info
> that would help?
>
> Thanks,
>
> Jim, W8KGI

Message-Id: <1.5.4.32.20010310231450.009bb538@mailhost.vuse.vanderbilt.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 10 Mar 2001 17:14:50 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: "A.B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: Birdies dead

"When you have eliminated the impossible, what remains, no matter how improbable, must be the solution." --Sherlock Holmes

"Dang me
Dang me
They oughta take a rope and hang me
High from the highest tree

O woman don't you weep for me." --Roger Miller

The S-38D is working just fine now. Hot little set. Why, so hot it picks up 5-6 stations at a time hi hi....

I will not recapitulate the struggle. Suffice it to say the solution came whilst comparing against an exemplar set, donated to the cause by Brother Nathan.

The bottom line?

The IF amplifier (12SG7) cathode is grounded through a 270 ohm resistor. This tested fine. BUT it is in series with the receive-standby switch. This had cruddy contacts and ohmed out at several k. Coupla shots of DeOxit, birds flew south. Go figure.

Of course, once the birds were cleaned up the BFO (IF amp feedback from plate to grid via gimmicks) wouldn't work 'cuz of all the Q-killer resistors I had installed. Hadda go back and rip them out. BFO now FB.

Moral of the story: Clean your switches first thing. Duh!

73

An Abashed A. B. Bonds

PS Any word on cabinet paint? I have tried to contact the paint guy to no avail.

Date: Sat, 10 Mar 2001 18:08:10 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Saving WW-II Data Plates
Message-ID: <Pine.SUN.3.91-FP.1010310180651.5292C-100000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I have several pieces of World War II era military radio equipment that
> have some type of synthetic plastic or fiber data plates. These plates
> have faded to a pale yellow color with the part that was originally
> black a sort of yellow/gray color. If I rub them with something wet,
> they return to their original appearance but the fade again when dry.
>
> Now the test: Has anyone found a way to permanently rejuvenate these
> data plates? If so, how?

Well, I just salvaged some silicone oil from some copy machine supplies -
I wonder if that would work? Just keep it away from the paint, as it

never evaporates.

William Donzelli
aw288@osfn.org

Date: Sat, 10 Mar 2001 19:06:12 -0500
From: "ROBERT W. DOWNS" <RWDDowns_WA5CAB@compuserve.com>
Subject: TM reprints for odd sets
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200103101906_MC2-C860-7F30@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Groups,

I have a large TM collection and sell manuals. When I get a request for a manual, if I have an extra original I usually offer that. If I don't, quite often I calculate my standard price for a reprint (based only on page count and page type) and offer that. However, if the manual is large and/or has many photos and/or has many foldouts and/or has foldouts that I will have to have scanned and printed outside, and if it is on a radio or piece of equipment that falls into the category of "no one's likely to ever be interested in that again", I usually have to apologize and pass. Time required to scan and clean up the pages tends to increase exponentially with TM size. Over the years, I've done several manuals, shipped one copy, and never looked at the file again, but I can't afford to do that any more.

I currently have one firm request (three different people) for each of the following manuals that fall into this category. So if any of you are interested in any of them and just haven't gotten around to asking, or didn't know whom to ask, let me know. Three or four requests for any one would just about make it practical to do, I'd make a few bucks (which I could certainly use right now) and I'm sure that the guys who've already

said that they want them would be quite happy.

TM 11-601. Operation and maintenance of Radio Set SCR-808 which consists of the BC-923 receiver and BC-924 transmitter, plus accessories. This is the push button tank radio that was supposed to replace the SCR-608.

TM 11-687. Operation and maintenance of Radio Sets AN/TRC- 24, 35 & 36 (T-302 & R-417 plus several RF amplifiers) plus several derivative sets. =

Some of the amplifiers have been moderately popular over the years with the VHF crowd.

AN 16-30APN4-3. Maintenance manual on the AN/APN-4 aircraft LORAN set.

AN 16-30APS15-3. Maintenance manual on the AN/APS-15 aircraft radar set. =

I'm not familiar with it but I think that this was a blind bombing radar. =

If you reply, please do so off list. Also, if any of you have the manuals and wish to sell them. let me know and I'll put you in touch with those who want to buy them.

73,
Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Message-ID: <3AAAC6A8.BCAF6A8E@kc2kj.k2nesoft.com>
Date: Sat, 10 Mar 2001 19:28:25 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: ART-13 Trouble
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Much progress today. Since I got the filaments and autotune working by substituting a beefier 28 vdc supply, I wired up the lv and hv supplies, double and tripple checked the wiring, and applied full power. After a bit of

experimentation, I got rf out into a lightbulb (100w) dummy load. Looks to be about 25 watts or so. The antenna current showed about 0.5 amps or so. (very low). I checked the 400v supply and it shows about 340 vdc. I need to get a transformer to boost the ac in to reach 400v. That is next part of project. Does feel good to get the old beast working, as it is.

Mike
kc2kj

Date: Sat, 10 Mar 2001 20:31:16 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Lafayette HE-10 saga post script
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GA000DLEN6GKY@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Fellow windmill tilters;

When some bozo foists a half baked product onto the market because the quarter is up and its time to move on the, company might as well leave the tubes out of the sockets because the radio is going to end up in someone's garage surrounded with household repair projects, where it will stay until it takes on the appearance of a dappled hunkajunk because it couldn't get away from the PSIC (paint spatterer in charge). Y'all know what happens to it next.

And then I came along and bought it at the ham flea. Thinking about the shortcomings of the radio as I had left it I decided, as a principled boatanquarian, to go back and beat the instability out of the RF amplifier. I fought valiantly, putting in grid resistors, a plate resistor, shielding, various bypass capacitor schemes, raising and lower the cathode resistance, connecting the suppressor grid to the cathode, trying all sorts of tubes, all in an attempt to push the limits as far as I could to get good sensitivity. I only succeeded in getting better control over the oscillation at the top end of band C (11-30 MHz) but I didn't vanquish it UNTIL.....

I finally gave up having succeeded in only getting an incremental improvement in sensitivity because pushing the gain any higher meant the top end of band C would function as a QRP transmitter. So looking in my nearly empty bag of tricks I decided to replace the individual band antenna coil trimmers with a single antenna trimmer variable cap so that I could tweak for maximum signal as a way of getting more sensitiviyy out of the radio. I fished through my box of small variable caps until I found a 4-50

pF unit that I mounted on top of the HE-10's main tuning cap. I disconnected the band C trimmer and fired up the radio to see how the trimmer worked across the band. I knew that I would run into the oscillation at the top end of the band but I knew I could adjust the trimmer from the front panel to get good gain before oscillation, regenerative receiver style. A short while later I overcame my bout of hysteria after discovering there was no oscillation! I couldn't make the radio oscillate no matter where I set the new antenna trimmer to. The RF just peaked on noise with not a hint of going into oscillation. I was stunned. What did I miss? It sure wasn't the obvious, I assured myself. And then it hit me like a Viking II being dropped on my head. The original coil trimmer was grounded to the side of the coil compartment shield, not the cold end of the antenna coil. Blimey! The antenna coil and mixer coil ground currents were mingling in the chassis and shielding creating the feedback necessary to cause oscillation. I'm now able to crank the gain of the RF amp up some more and the band is now sounding almost hot, at least for a nine tube single conversion job. Also gone is the oscillator pulling as you tune through a station at 29 MHz!

For those who are interested, I settled on a 6BA6 for the RF amp with a piece of tin plate straddling the bottom of the tube socket to shield the plate from the grid, suppressor connected to cathode, a .01uF bypassed 150 ohm cathode resistor, a 150 ohm grid resistor, and a .005 uF screen bypass. The shield is probably not really necessary but I'm not going to bother ripping it out to see if I'm be wrong. Both caps are ceramic disks connected from pin to shield with very short leads. There is also a 100 ohm grid resistor for the 6BE6 mixer. A 6BZ6 works well and gives a bit more gain but not enough to improve the mixer limited signal to noise ratio. I decided to keep the remote cutoff tube for better broadcast band performance. The antenna trimmer will be a 2-25pF unit with its shaft coming through the front panel just above and between the main and bandsread dials where there is already a hole for a single pilot lamp before the design was changed to separate dial lamps for the two dials. Time will tell if I'm satisfied with this radio yet.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <001301c0a9f4\$aed6c900\$21fd91c6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Lafayette HE-10 saga post script
Date: Sat, 10 Mar 2001 22:29:51 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Damn fine work, Arden! I wish i'd had you around 40 years ago - i gave up on band 4 and never used it once in the time i owned the radio.

You have written the definitive "repair manual" on the HE-10 / KT-200.

Do i have this correct, that your adjustable antenna capacitor came out thru the S-meter hole, or how did you access the control? Perhaps a better mixer would be a dual triode- one section buffer, one section mixer- altho that would require a socket adaptor and might be trying to get too much out of this set. Then, replace the vt rectumfrier with silicon, put a VR tube in that socket, and my idea of a Q-mult. in the S-meter control hole, with the S-meter control inside- just lift the lid to access it. I'll be watching your conclusions as to tube lineup, may incorporate your ideas into the KT-320/ HE-30 - basically same receiver, but with an attractive- and usable- sliderule dial, and part-time Q-multiplier.

Now, isn't it just amazing that bugs like this come right out of the factory, with nobody noticing?? Nobody tests them, or only maybe one lucky copy????
Hue Miller

Message-ID: <002e01c0a9f5\$fea239a0\$21fd91c6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: solidstating VTVM
Date: Sat, 10 Mar 2001 22:39:11 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Say, has anyone seen an article on solidstating a VTVM ? I recently tried to actually give away a like new RCA vtm - no takers- which gave me a good idea of their monetary value. (will not ship.) I personally really dislike vacuum tube test equipment, and moreso a VM that's tied to AC power and ground. On the other hand, it does have a nice big meter face, and good ranges, all the way up to 4 kv, i think. I don't want to keep it around, with spare tubes, lytics, etc. just for a few uses where i don't mind it being tied to ground. (Or even close to ground.) So i'm wondering if any of the tech magazines ever presented an article on on FETing various

receivers.
Tnx, Hue Miller

Message-ID: <3AA80841.2083C19E@erols.com>
Date: Thu, 08 Mar 2001 22:31:29 +0000
From: Mike Steussy - AE4R <hikrbikr@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: John <moe@email.msn.com>
Subject: Re: HRO-60 headsup
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ahoy! John Morris replaced the caps in his HRO-60 and wrote:

> There is some difference in the RF Gain control.
> It has to be over "8" to get much signal.
> Have to figure that out yet.

Well, I don't have the HRO-60 here, but I do have the NC-183D, which is in many ways quite similar. Same situation... not much bandspread on the RF gain control before she gets very deaf. But, I installed the threshold AVC/RF gain mod described in Electric Radio by Thomas Bonamo K6AD ("Better Audio for the Collins 75A-1", Nov. 1999, p.20) in an SX-101A (that had a ton of black beauty caps that had to be replaced) and the difference was dramatic. Then I put it into an NC-2-40CS I'm rebuilding. Now I have it in mind for all my favorite BA receivers, including the NC-183D.

73, Mike Steussy AE4R

Date: Sat, 10 Mar 2001 23:25:28 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Lafayette HE-10 saga post script
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GA0006ZBVCILS@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Hue;

> Do i have this correct, that your adjustable antenna capacitor came
> out thru the S-meter hole, or how did you access the control?

The antenna trimmer is mounted on top of the main tuning capacitor over the antenna coil section (towards rear of receiver). The variable cap shaft

goes through the front panel between and just above the two dial windows, right through a hole in the front panel that was put there for a single pilot lamp but my example has two lamps, one in each dial, the hole in the middle is unused.

> Perhaps a better mixer would be a dual triode- one section buffer,
> one section mixer- altho that would require a socket adaptor and
> might be trying to get too much out of this set.

I'd just punch out the hole for a nine pin socket. I'd use a pentode mixer. You need more conversion gain than a triode can give you. Maybe a 6EJ7 would be pretty hot, maybe too hot! I'd start with a 6AU6. You'd have to worry about isolation between oscillator and mixer. Maybe 6U8 or 6EA8 with triode as cathode follower to pentode cathode. Haven't tried that yet. The pentode is gonna be quieter than the pentagrid electron jungle jim.

>, put a VR tube in

I used a zener diode (1N4764).

> socket, and my idea of a Q-mult. in the S-meter control hole,
> with the S-meter control inside- just lift the lid to access it.

Good idea. Think you can deny the audiophooles a 12AX7?

> I'll be watching your conclusions as to tube lineup, may incorporate
> your ideas into the KT-320/ HE-30 - basically same receiver, but
> with an attractive- and usable- sliderule dial, and part-time Q-
> multiplier.

Just changed the RF amp to a 6BA6 so far. Don't anticipate any other changes. Haven't planned a product detector for this radio.

> Now, isn't it just amazing that bugs like this come right out of
> the factory, with nobody noticing?? Nobody tests them, or only
> maybe one lucky copy????

Been there, done that too. Gotta make a livin' somehow. Hi!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Sat, 10 Mar 2001 23:28:20 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: solildstating VTVM
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GA0006ZGVCJLS@mta5.snfc21.pbi.net>

MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi again Hue;

> Say, has anyone seen an article on solidstating a VTVM ?

Use an FET input op amp. Drift free a cinch.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <3.0.6.32.20010311075457.008aba60@pop3.norton.antivirus>
Date: Sun, 11 Mar 2001 07:54:57 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: Re: solildstating VTVM
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hue, you apostate. I love my RCA Senior VoltOhmyst WV-98C. The big meter is just right for eyes of my age. And I refuse to admit I also own and use a lab quality DVM.

73, Avery W3AVE

At 01:39 AM 3/11/01 -0500, you wrote:

>Say, has anyone seen an article on solidstating a VTVM ?
>I recently tried to actually give away a like new RCA
>vtvm - no takers- which gave me a good idea of their
>monetary value. (will not ship.) I personally really dislike
>vacuum tube test equipment, and moreso a VM
>that's tied to AC power and ground. On the other hand, it
>does have a nice big meter face, and good ranges, all
>the way up to 4 kv, i think. I don't want to keep it around,
>with spare tubes, lytics, etc. just for a few uses where i
>don't mind it being tied to ground. (Or even close to
>ground.) So i'm wondering if any of the tech magazines
>ever presented an article on on FETing various
>receivers.
>Tnx, Hue Miller
>
>
>

From: "Ed Sieb" <sieb@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Classic BA Paint
Date: Sun, 11 Mar 2001 04:01:13 -0500
Message-ID: <LOBBJH0L00HLIPLONIAFIEDHDNAA.sieb@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There has been quite a lot of discussion about painting lately
and where to find appropriate paints. All the paint and parts
which used to be supplied by R&R Designs (Bob Hummel)
are now available through ALO Radio Restoration.

Johnson, National, Heath, etc.

ALO'S
Radio Restoration
18 E. 10th Ave
Hutchinson, Ks 67501
1-800-372-4287 - orders only please
1-316-662-1370 - all other inquiries
<http://www2.southwind.net/~n0alo/>
n0alo@southwind.net

Hope this helps,

73
Ed VA3ES

From: "Dick Dillman" <ddillman@igc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 11 Mar 2001 07:47:08 -0800
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Collins 30K-3
Message-ID: <3AAB2D7C.21389.A8759@localhost>

The following comes from Warren Reese, former KPH transmitter
technician. Please be sure to reply to him, not me (his address
appears at the bottom of the message).

"Thinking About Selling"

I am thinking about selling a Collins 30K-5. It is currently on the air and can be heard on request. You can see a picture of it at

<http://www.neteze.com/radions/30k-5-L.jpg>

This rig was used at the Saint Louis International Airport for many years and is presently doing service for the FULL DUPLEXERS club - a CW only club that does not take advantage of its superb AM capabilities. The rig comes with spare finals and many, many other spare parts. I'm talking about FULL back-up ability that will carry you a L-O-N-G time. I was planning on using this rig for my retirement.

If you are interested in owning this transmitter, send me an e-mail & we can discuss terms & conditions.

Very 73,

TR - WB6TMY@arrl.net

Dick Dillman, W6AWO
Member of the Maritime Radio Historical Society
Collector of Heavy Metal:
Harleys, Willys and Radios over 100lbs.

End of BOATANCHORS Digest 3122
